

DERWENT-ACC-NO: 1997-135582

DERWENT-WEEK: 200437

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Heat pump system with reverse cycle depositing
facility
- has control unit to prevent heating of motor
coil for
predefined time after switching operation

PATENT-ASSIGNEE: DAIKIN KOGYO KK[DAIK]

PRIORITY-DATA: 1995JP-0198954 (June 29, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 3536454 B2	June 7, 2004	N/A
007 F25B 047/02		
JP 09014804 A	January 17, 1997	N/A
007 F25B 047/02		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 3536454B2	N/A	1995JP-0198954
June 29, 1995		
JP 3536454B2	Previous Publ.	JP 9014804
N/A		
JP 09014804A	N/A	1995JP-0198954
June 29, 1995		

INT-CL (IPC): F25B047/02

ABSTRACTED-PUB-NO: JP 09014804A

BASIC-ABSTRACT:

The system has a compressor (1) which includes a drive motor actuated by an inverter (12). A control unit (14) controls the compressor through this inverter arranged along a coolant flow path. The direction of circulation of the coolant is switched by a switching unit (2).

When the control unit switches from a heating operation to a cooling operation, the compressor is stopped for a predefined time. At this time, the heat coils of the motor are prevented from heating. After the predefined time, the switching circuit performs switching operation and the compressor is recovered.

ADVANTAGE - Performs effective utilisation. Prevents shock generation during mode switching. Reduces defrost time. Improves defrosting capacity by collecting heat from coolant. Reduces heating operation quickly.

CHOSEN-DRAWING: Dwg.1/6

TITLE-TERMS: HEAT PUMP SYSTEM REVERSE CYCLE DEPOSIT FACILITY CONTROL UNIT

PREVENT HEAT MOTOR COIL PREDEFINED TIME AFTER SWITCH
OPERATE

DERWENT-CLASS: Q75 V06 X27

EPI-CODES: V06-N; X27-F02B;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-111735